

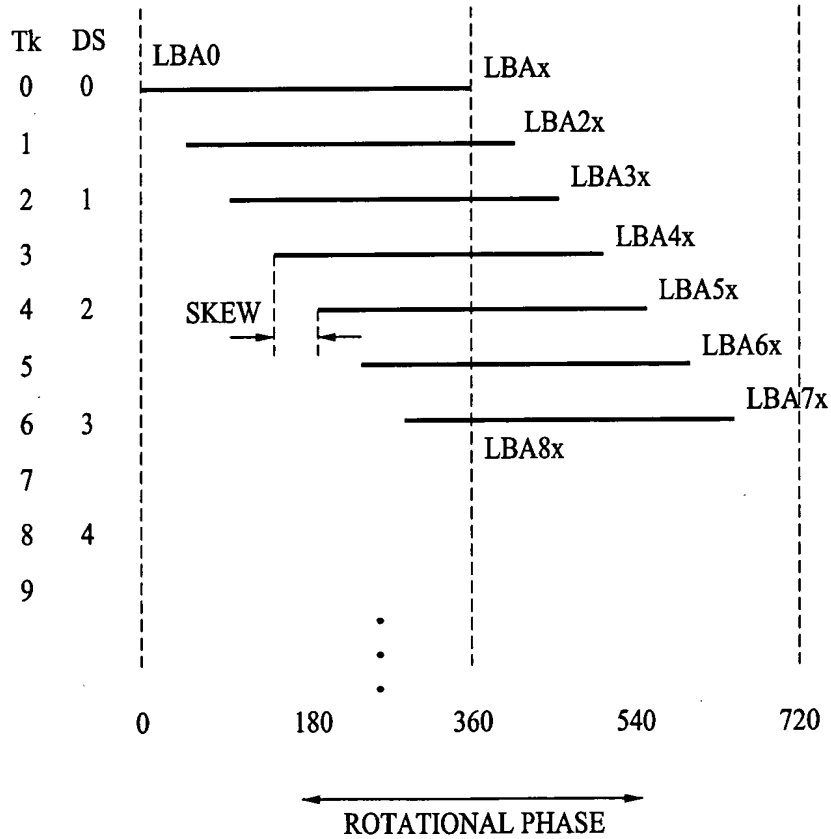


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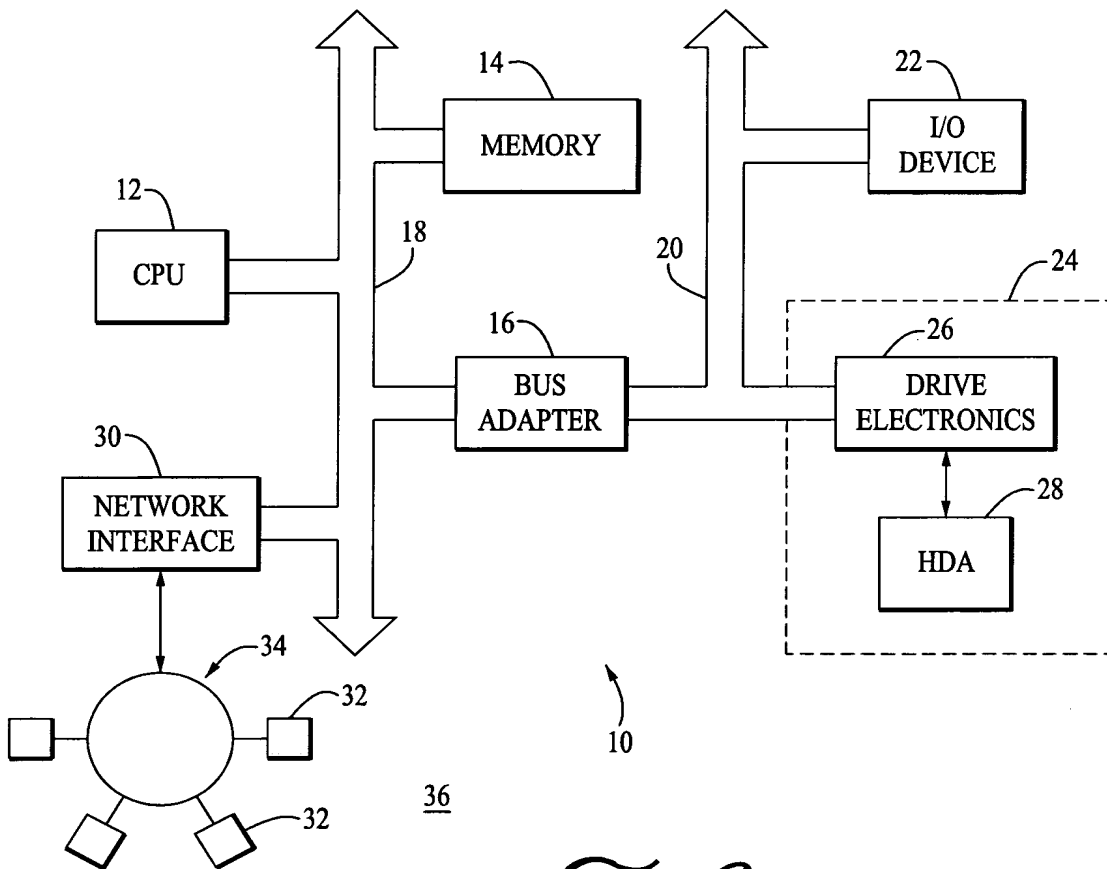
Replacement Sheet 1 of 15 sheets

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*Fig. 1*  
PRIOR ART

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*FIG. 2*

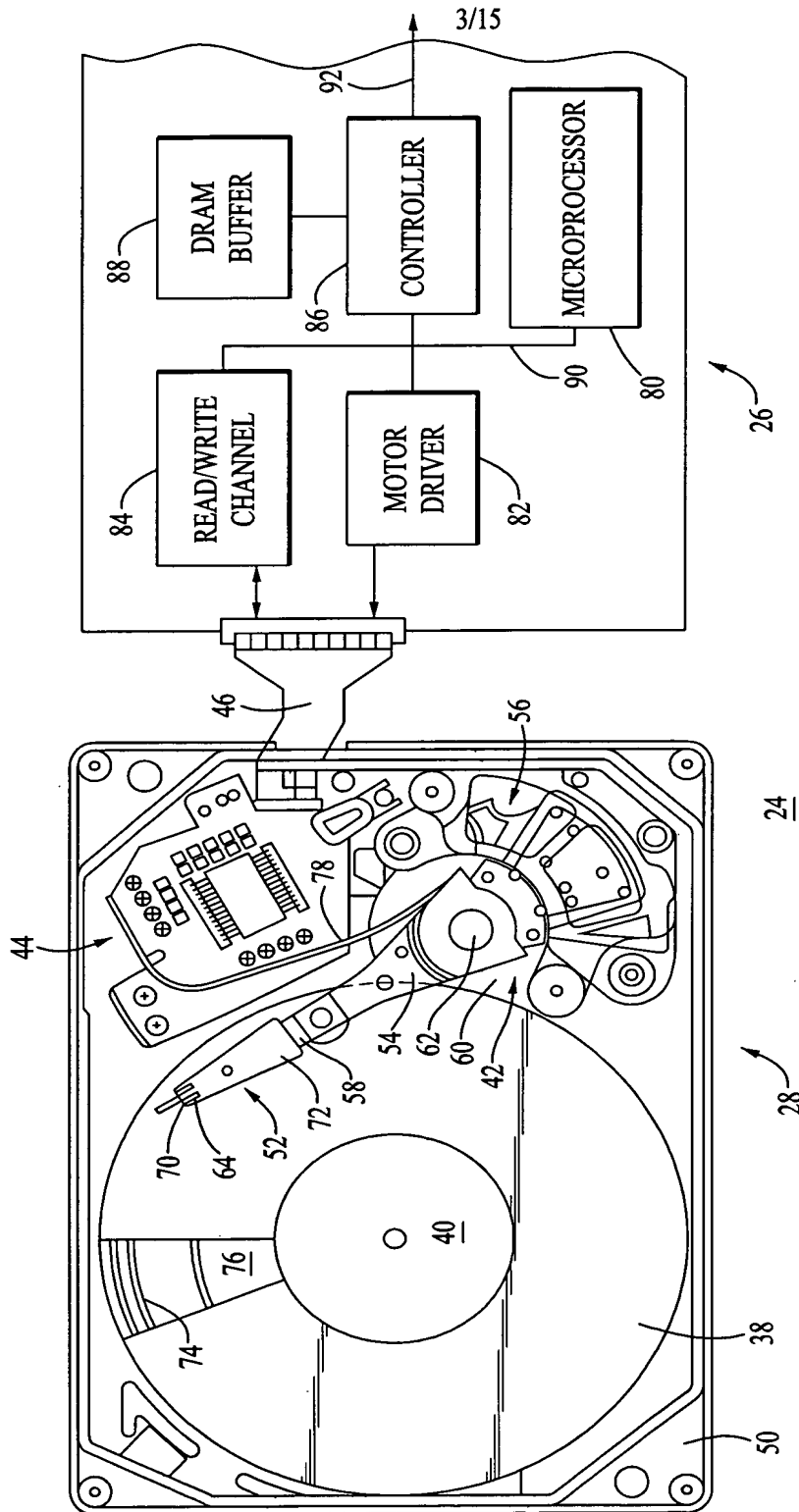


Fig. 3

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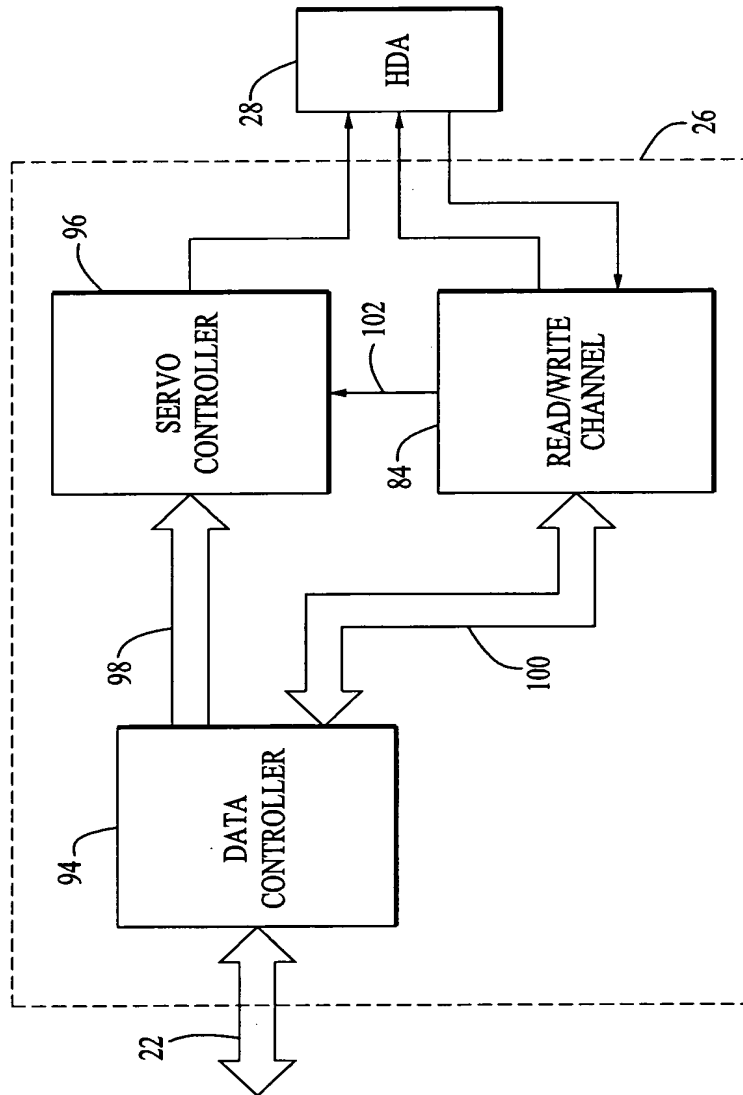


Fig. 4

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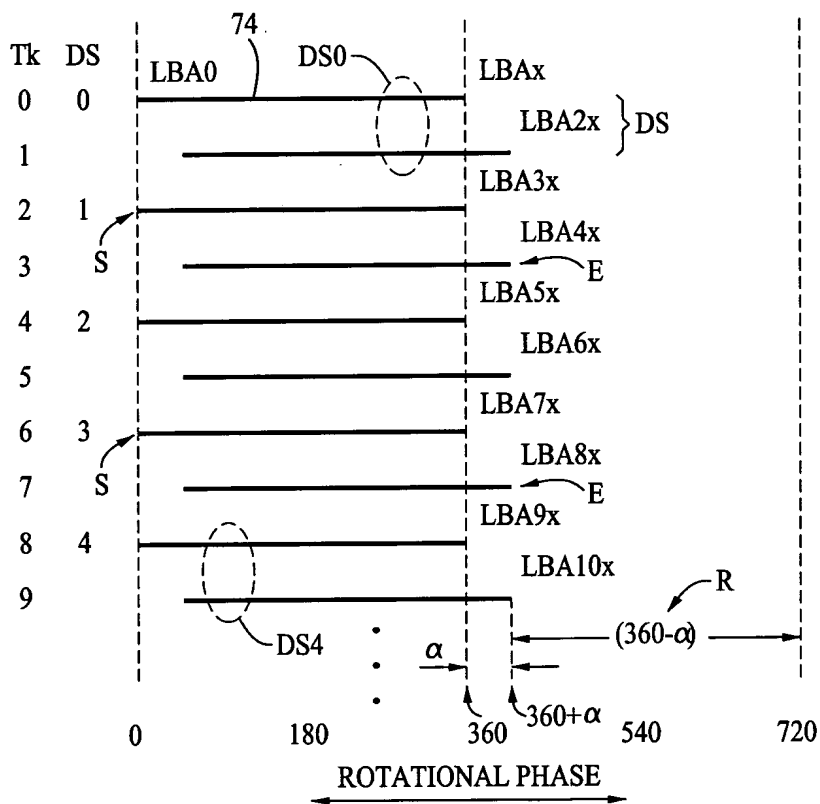


FIG. 5

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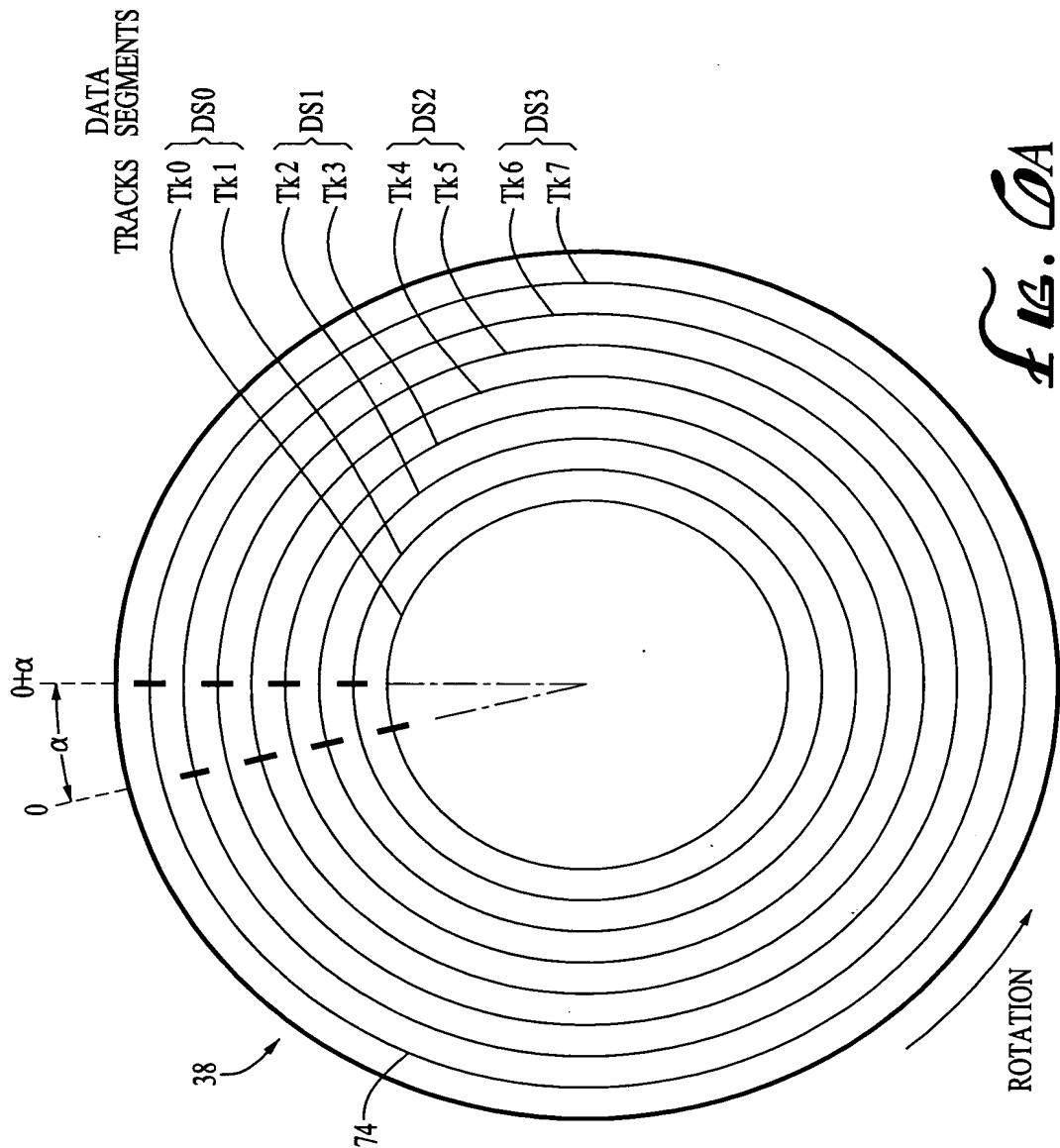


FIG. 6A



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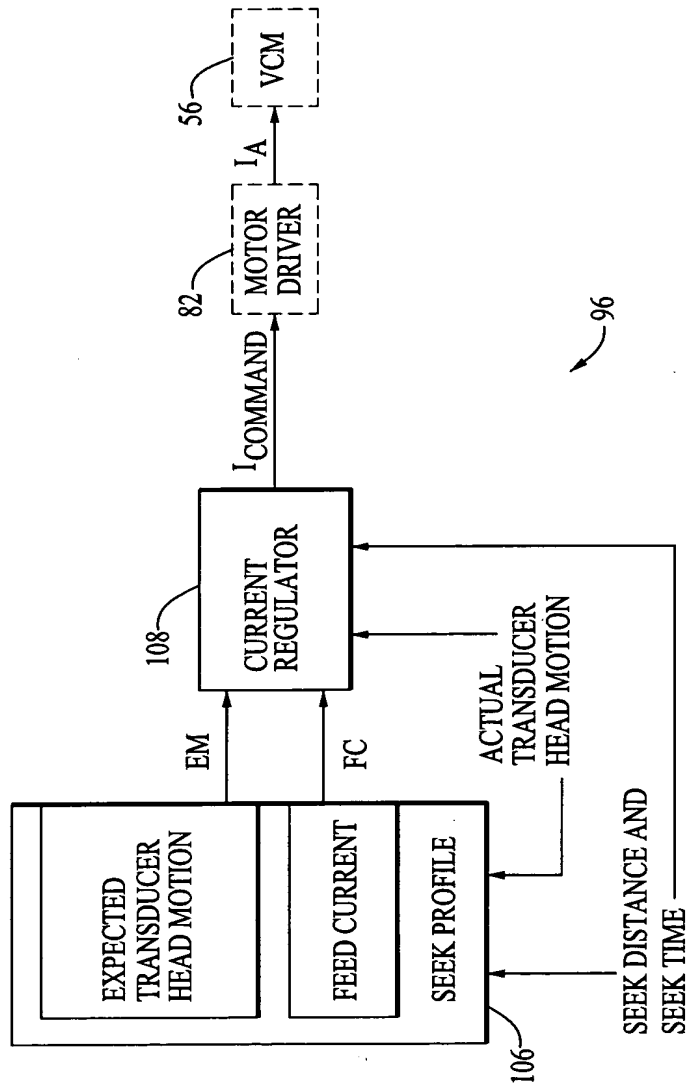
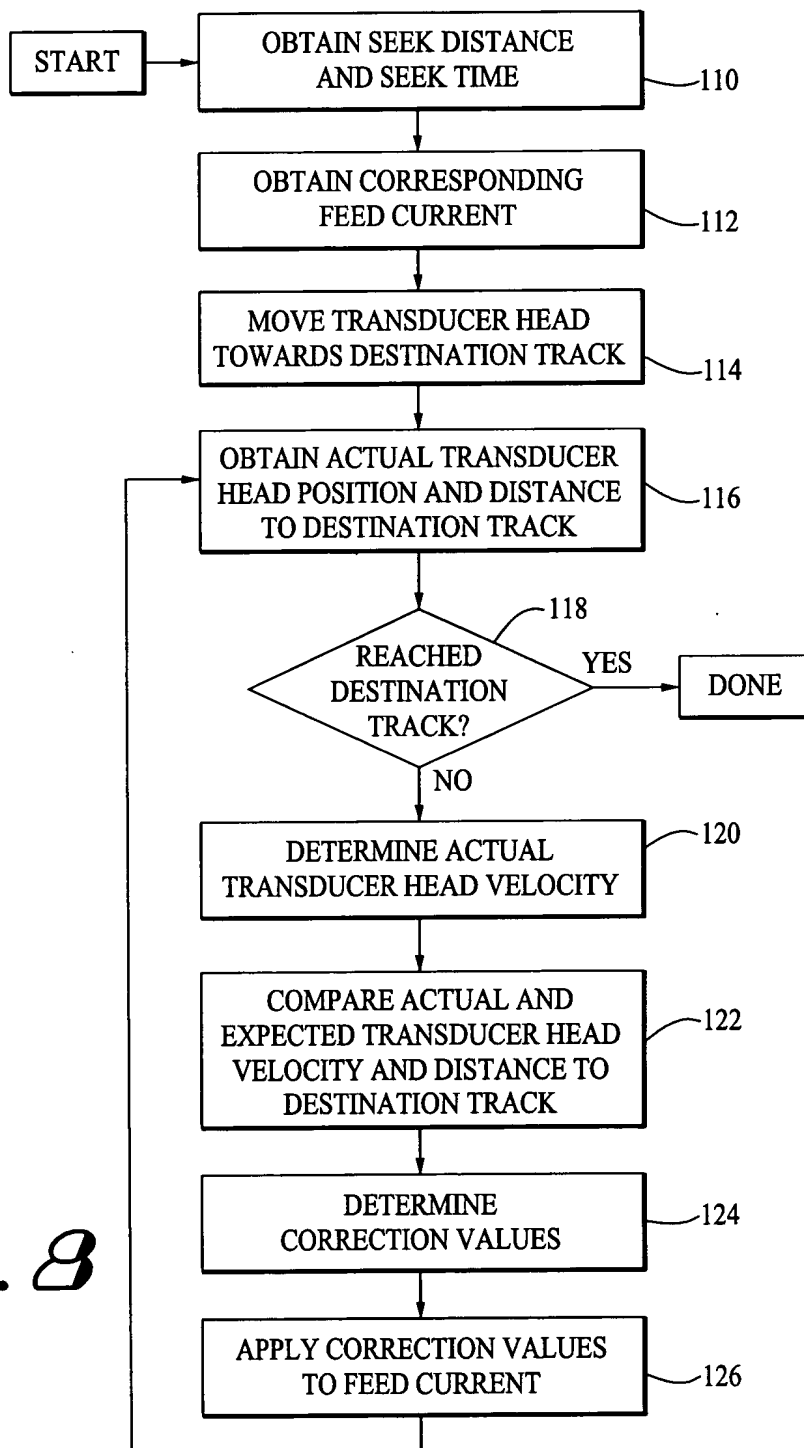


Fig. 7



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*Fig. 8*

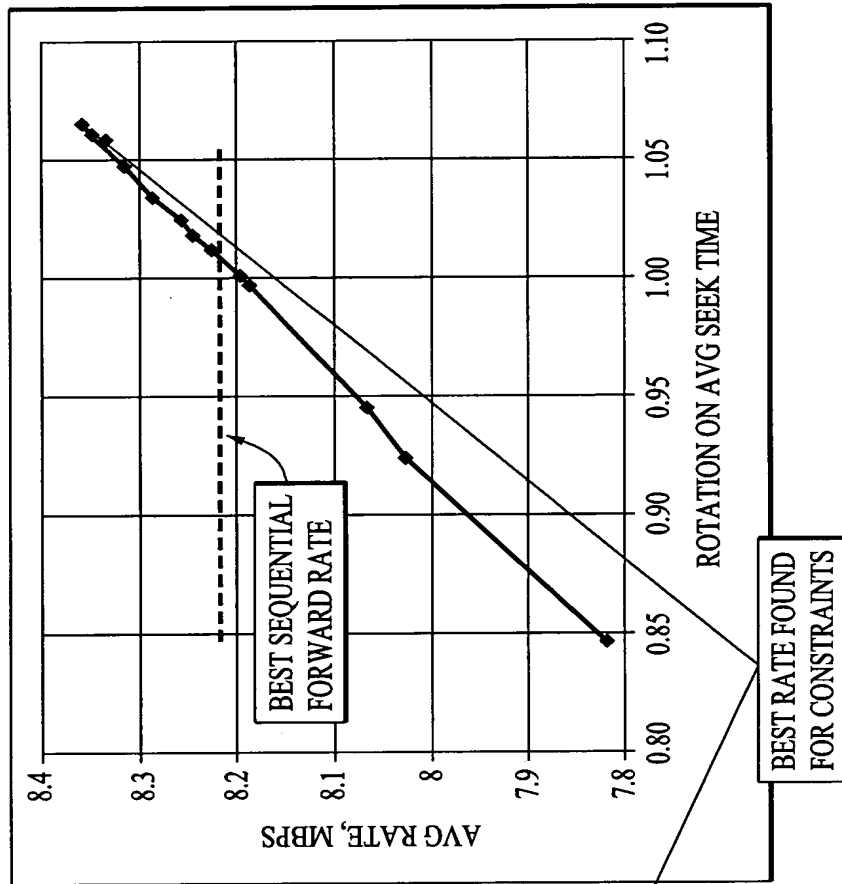
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SUMMARY OF VARIOUS SOLUTIONS - 2 TRACKS PER DS  
8.4 AVG SEEK TIME  
11 TREV

SKEW MODULUS	SKEW FACTOR	SKEW TIME	ROTATION PHASE	ROTATION TIME, MSEC	ROTATION ON	AVG RATE, MBPS
					AVG SEEK TIME	
17	6	3.88	0.647	7.12	0.85	7.82
17	5	3.24	0.706	7.76	0.92	8.03
18	5	3.08	0.722	7.94	0.95	8.07
21	5	2.62	0.762	8.38	1.00	8.19
17	4	2.59	0.765	8.41	1.00	8.2
22	5	2.50	0.773	8.50	1.01	8.23
18	4	2.44	0.778	8.56	1.02	8.25
23	5	2.39	0.783	8.61	1.02	8.26
19	4	2.32	0.789	8.68	1.03	8.29
20	4	2.20	0.800	8.80	1.05	8.32
21	4	2.10	0.810	8.90	1.06	8.35
32	6	2.06	0.813	8.94	1.06	8.36
64	12	2.06	0.813	8.94	1.06	
128	24	2.06	0.813	8.94	1.06	
256	48	2.06	0.813	8.94	1.06	
512	96	2.06	0.813	8.94	1.06	
1024	191	2.05	0.813	8.95	1.07	

*Fig. 9A*

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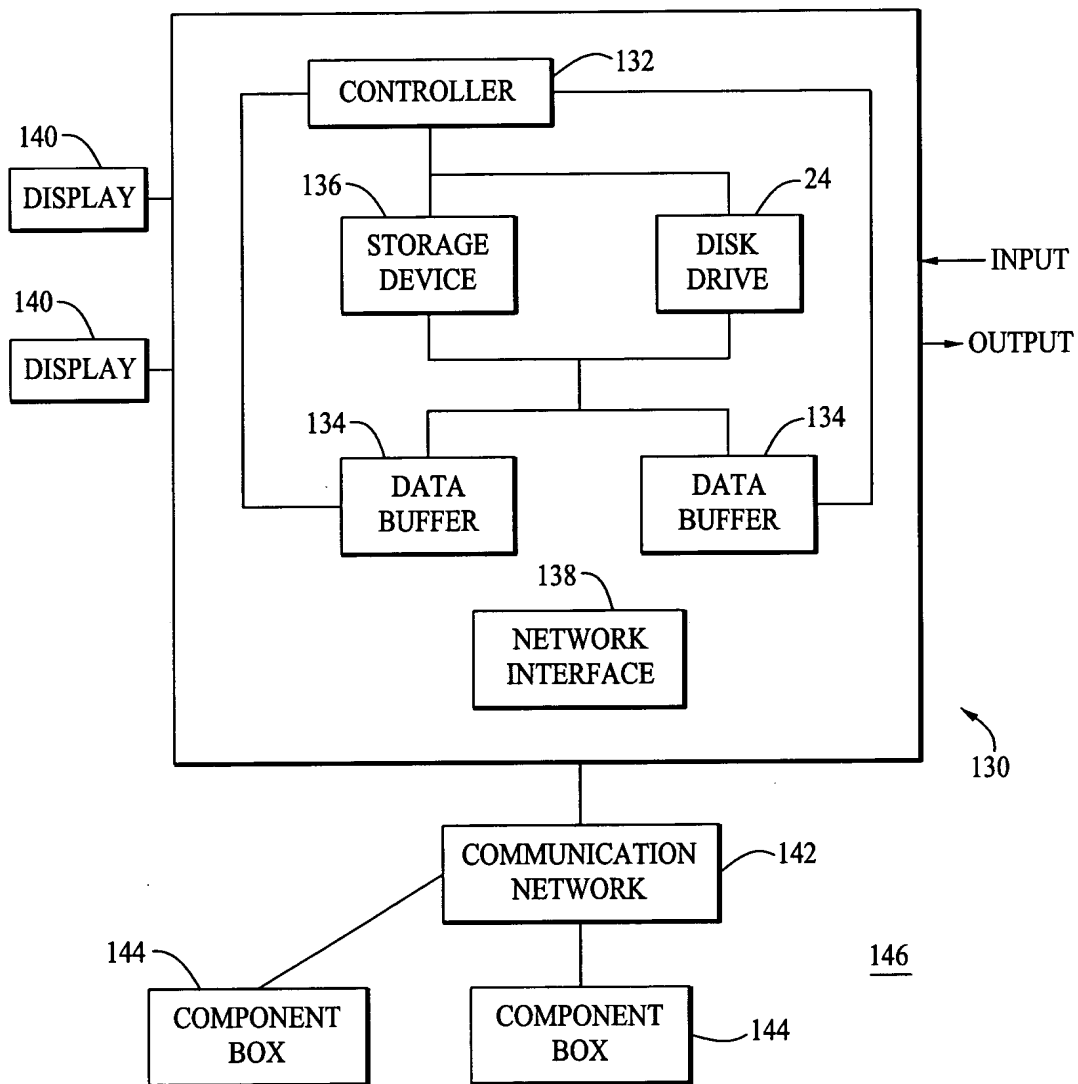


		ROTATION ON		ROTATION		AVG SEEK		AVG RATE,	
		SKEW		SKEW		TIME, MSEC		MBPS	
		MODULUS FACTOR		PHASE		TIME		TIME	
32	6	2.06	0.813	8.94	1.06	8.36			

1.7% IMPROVEMENT OVER BEST SEQUENTIAL RATE  
 7% INCREASE OVER THIS RANGE

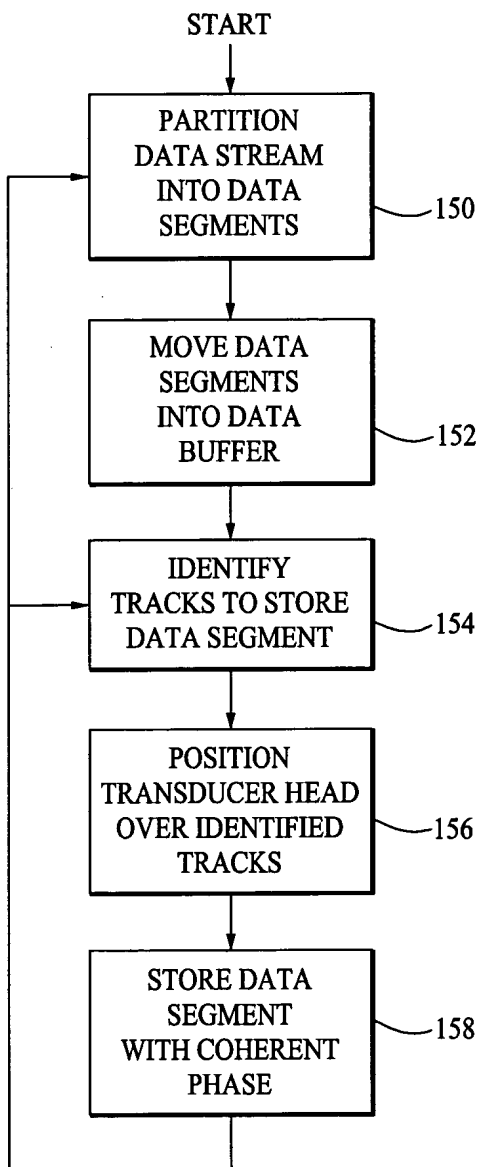
fig. 9B

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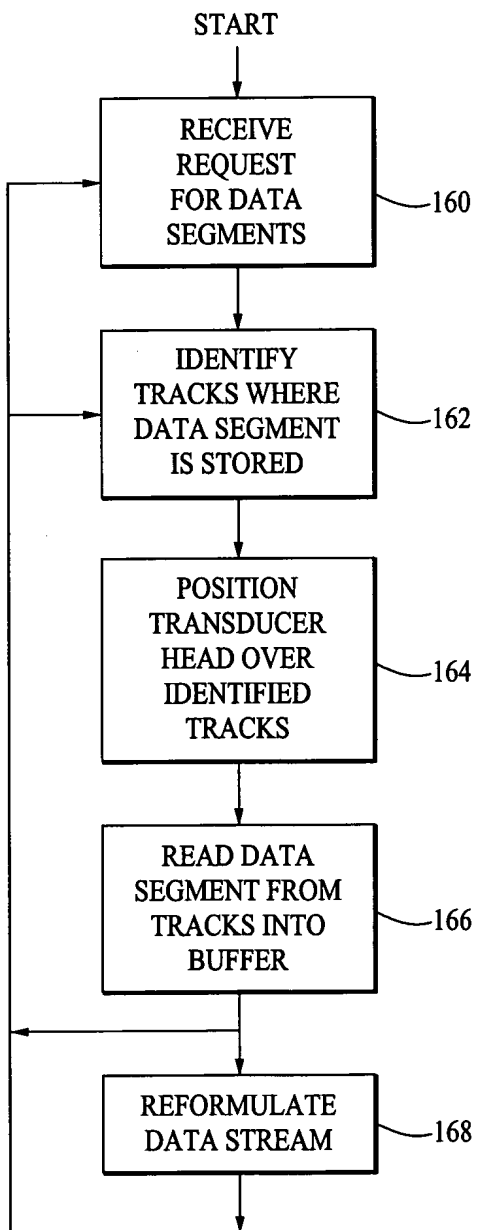
*Fig. 10*

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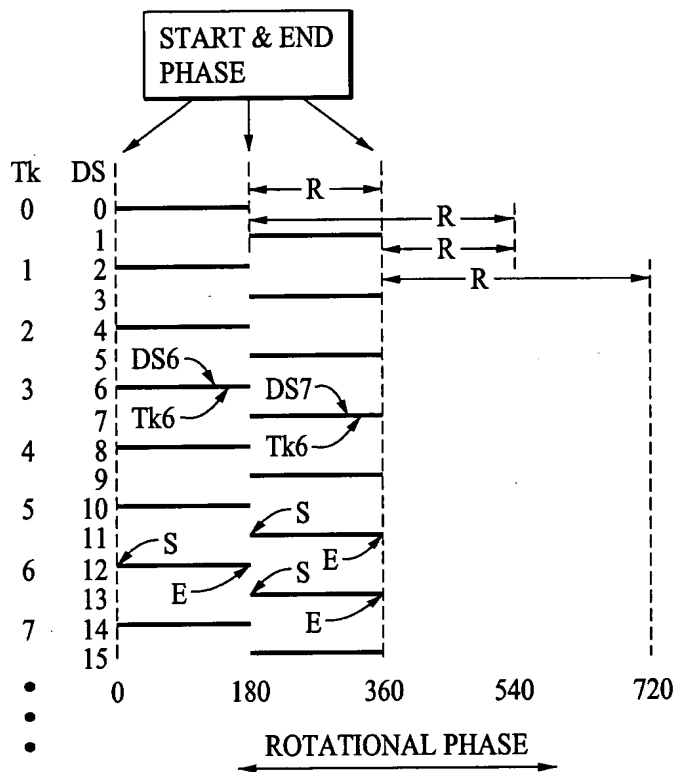
*Fig. 11*

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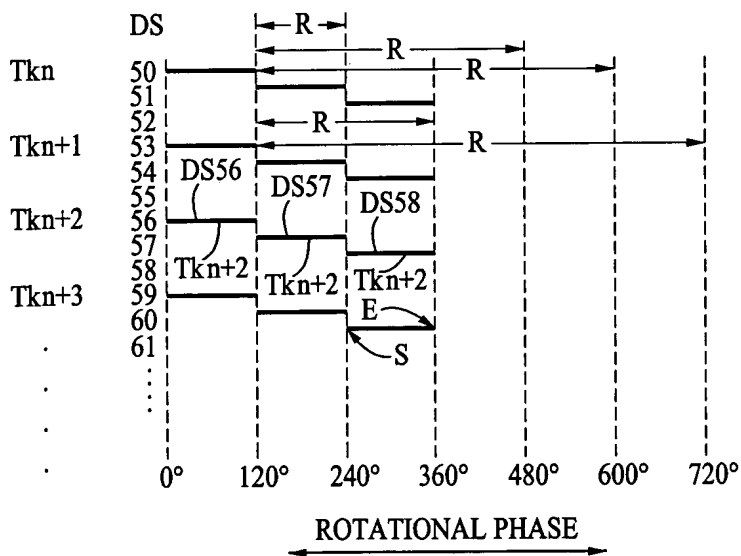


*FIG. 12*

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*Fig. 13A*



*Fig. 13B*